

Title (en)
SOUND COLLECTING DEVICE

Title (de)
KLANGERFASSUNGSVORRICHTUNG

Title (fr)
DISPOSITIF DE COLLECTE DE SON

Publication
EP 3905717 A1 20211103 (EN)

Application
EP 21170481 A 20210426

Priority
JP 2020080040 A 20200430

Abstract (en)
A sound collecting device that is located in a first space and collects sounds generated in a second space isolated from the first space by a predetermined plate, comprising a metal plate, a piezoelectric element fixed on an upper surface of the metal plate, a housing that has a tubular shape having opened upper and lower surfaces, and has an upper end surface adhesively attached to a lower surface of the metal plate and a lower end surface adhesively attached to the predetermined plate, and a vibration pickup terminal that is accommodated in the housing, and comprises a leg part adhesively attached to the lower surface of the metal plate, a shaft part extending downward from the leg part, and a tip part which is formed at a tip of the shaft part in the downward direction and comes into contact with the predetermined plate when the housing is adhesively attached to the predetermined plate.

IPC 8 full level
H04R 1/46 (2006.01); **H04R 17/02** (2006.01)

CPC (source: CN EP KR US)
H04R 1/323 (2013.01 - KR); **H04R 1/342** (2013.01 - KR US); **H04R 1/46** (2013.01 - EP US); **H04R 17/02** (2013.01 - EP KR US); **H04R 17/025** (2013.01 - CN); **H04R 17/04** (2013.01 - KR)

Citation (applicant)
JP H0322638 B2 19910327

Citation (search report)
• [IA] US 4591668 A 19860527 - IWATA KEISUKE [JP]
• [A] JP 2017183853 A 20171005 - AUDIO TECHNICA KK

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
EP 3905717 A1 20211103; **EP 3905717 B1 20240131**; CN 113596689 A 20211102; JP 2021175143 A 20211101; JP 7351792 B2 20230927; KR 20210134221 A 20211109; TW 202143745 A 20211116; US 11638088 B2 20230425; US 2021345035 A1 20211104

DOCDB simple family (application)
EP 21170481 A 20210426; CN 202110473035 A 20210429; JP 2020080040 A 20200430; KR 20210045341 A 20210407; TW 110111240 A 20210329; US 202117238555 A 20210423